

A21.6⁵:3367 ✓

United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

FEBRUARY 1936

Any five of the nontechnical publications listed herein, unless indicated "For sale only", may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the Department's supply lasts. After this supply is exhausted, publications may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., by purchase at the prices stated herein. His office is not a part of the Department of Agriculture.

Free distribution of technical material and periodicals is restricted.

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

The making and feeding of silage. T. E. Woodward, Bureau of Dairy Industry; and W. H. Black, D. A. Spencer, and J. O. Williams, Bureau of Animal Industry. 30 p., illus. (F. B. 578F., rev.) Price, 5¢.

Livestock for small farms. Ralph Erskine, Bureau of Animal Industry. 33 p., illus. (F. B. 1753F.) Price, 5¢.

Care and repair of mowers and binders. W. R. Humphries, Bureau of Agricultural Engineering. 21 p., illus. (F. B. 1754F.) Price, 5¢.

LEAFLETS

The series carries popular material of the same general character as that carried by the Farmers' Bulletins except that the leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

Honey and some of its uses. Elizabeth Fuller Whiteman and Fanny Walker Yeatman, Bureau of Home Economics. 8 p. (Leaf. 113L.) Price, 5¢.

Vine-mesquite for erosion control on southwestern ranges. Barnard A. Hendricks, Forest Service. 8 p., illus. (Leaf. 114L.) Price, 5¢.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

Cotton bollweevil survival and emergence in hibernation cages in Louisiana. R. C. Gaines, Bureau of Entomology and Plant Quarantine. 28 p., illus. (T. B. 486T.) Price, 5¢.

Early developmental stages of nematodes occurring in swine. Joseph E. Alicata, Bureau of Animal Industry. 96 p., illus. (T. B. 489T.) Price, 15¢.

Farm prices of cotton related to its grade and staple length in the United States, seasons 1928-29 to 1932-33. L. D. Howell and John S. Burgess, Jr., Bureau of Agricultural Economics, in cooperation with the Agricultural Experiment Stations of Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, and Texas. 63 p. (T. B. 493T.) Price, 10¢.

The cannibalistic habits of the corn ear worm. George W. Barber, Bureau of Entomology and Plant Quarantine. 19 p., illus. (T. B. 499T.) Price, 5¢.

Biology of the primary screw worm fly, *Cochliomyia americana*, and a comparison of its stages with those of *C. macellaria*. E. W. Laake, Emory C. Cushing, and H. E. Parish, Bureau of Entomology and Plant Quarantine. 24 p., illus. (T. B. 500T.) Price, 10¢.

Relation between the physical properties and chemical components of various grades of geraniol and their attractiveness to the Japanese beetle. F. W. Metzger and W. W. Maines, Bureau of Entomology and Plant Quarantine. 14 p., illus. (T. B. 501T.) Price, 5¢.

The chemical and physical properties of dry-land soils and of their colloids. Irvin C. Brown and Horace G. Byers, Bureau of Chemistry and Soils. 56 p., illus. (T. B. 502T.) Price, 10¢.

Orius insidiosus (Say), an important natural enemy of the corn ear worm. G. W. Barber, Bureau of Entomology and Plant Quarantine. 24 p., illus. (T. B. 504T.) Price, 5¢.

Refrigeration of oranges in transit from California. C. W. Mann and William C. Cooper, Bureau of Plant Industry. 88 p., illus. (T. B. 505T.) Price, 15¢.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

Food habits of common hawks. W. L. McAtee, Bureau of Biological Survey. 36 p., illus. (Cir. 370C.) Price, 5¢.

New equipment for obtaining host material for the mass production of Trichogramma minutum, an egg parasite of various insect pests. Herbert Spencer, Luther Brown, and Arthur M. Phillips, Bureau of Entomology and Plant Quarantine. 18 p., illus. (Cir. 376C.) Price, 5¢.

Shipmast locust, a valuable undescribed variety of Robinia pseudoacacia. Oran Raber, Bureau of Plant Industry. 8 p., illus. (Cir. 379C.) Price, 5¢.

Rodents and moles as pests in bulb plantings. Theo. H. Scheffer and F. E. Garlough, Bureau of Biological Survey. 16 p., illus. (Cir. 381C.) Price, 5¢.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

The Food and Drug Administration of the United States Department of Agriculture. (M. P. 48MP., rev.) Price, 5¢.

Lantern slides and film strips of the United States Department of Agriculture. Extension Service. 18 p. (M. P. 72MP., rev.) Price, 5¢.

Motion pictures of the United States Department of Agriculture. Prepared by Division of Motion Pictures, Extension Service. 38 p. (M. P. 227MP.) Price, 5¢.

List of bulletins of the agricultural experiment stations for the calendar years 1933 and 1934. Catherine E. Pennington, Office of Experiment Stations. 81 p. (M. P. 232MP.) Price, 10¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Amendment of regulations 4, 18, and 19 of the regulations respecting game animals, land fur-bearing animals, game birds, nongame birds, and nests and eggs of birds in Alaska. 3 p. (Alaska G. C. Cir. 12, Supp. 1.)¹

Bureau of Animal Industry, Service and Regulatory Announcements. December 1935. Pp. 171-178. (S. R. A.-B. A. I. 344.) Price, 5¢.²

Bureau of Animal Industry, Service and Regulatory Announcements. Index, January-December 1935. Pp. 179-182. Price, 5¢.²

Notices of judgment under the Food and Drugs Act. Food and Drug Administration. Pp. 175-199. (N. J., F. D. 24351-24400). Price, 5¢.²

Pink bollworm quarantine. Quarantine no. 52, revision of quarantine and regulations. Effective December 5, 1935. Bureau of Entomology and Plant Quarantine. 8 p. (B. E. P. Q.-Q 52).¹

SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area. Indiana, Ohio and Switzerland Counties. (No. 37, series 1930.) 60 p., illus. Price, 30¢.

Mississippi, Greene County. (No. 5, series 1932.) 42 p., illus. Price, 40¢.

¹ These may be obtained from the issuing bureau.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

Indicate below, by numbers **IN NUMERICAL ORDER**, bulletins desired. In order to assure prompt delivery detach this frank and return in stamped envelope to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired, please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication. Be sure to fill in blank form on reverse side.

Farmers' Bulletins	Leaflets	Other publications

OTHER PUBLICATIONS

Drive safely. William G. Eliot 3d. Bureau of Public Roads. illus. [Folder.]¹

Soil conservation and wildlife. Soil Conservation Service. 6 p., illus.¹

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 20, no. 2, February 1, 1936. Price, 5¢ a copy; 25¢ a year, domestic; 40¢ a year, foreign.²

Crops and markets. Vol. 13, no. 1, January 1936. Price, 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.²

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price daily except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States, 20¢ a month, \$2.40 a year.²

Experiment station record. Vol. 74, no. 2, February 1936. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.50 per volume, foreign. Single number for sale only. Price, 15¢.²

A technical view of the world's scientific literature pertaining to agriculture.

Extension service review. Vol. 7, no. 1, January; no. 2, February 1936. Illus. Price, 5¢ a copy; 50¢ a year, domestic; 75¢ a year, foreign.²

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Journal of agricultural research. Price, \$3.25 a year domestic; \$4.75 a year foreign. Each issue, 15¢ domestic; 20¢ foreign. Reprints, 5¢ domestic; 8¢ foreign.² Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

¹ These may be obtained from the issuing bureau.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.



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Journal of agricultural research—Continued.

— Vol. 51, no. 8. October 15, 1935. Illus.

Contents:

- Factors involved in the application of form-class volume tables (F-72). C. Edward Behre.
- The relationship of certain legume mosaics to bean (G-981). W. J. Zaumeyer and B. L. Wade.
- Random sampling and the distribution of phenotypes on ears of backcrossed maize (G-985). George F. Sprague.

— Vol. 51, no. 9, November 1, 1935. Illus.

Contents:

- Intergeneric hybrids of *Triticum* and *Secale* with *Haynaldia villosa* (G-984). W. J. Sando.
- A cytological study of *Puccinia malvacearum* from the sporidium to the teliospore (G-980). Ruth F. Allen.
- Physiologic specialization of *Melampsora lini* on *Linum usitatissimum* (G-983). H. H. Flor.
- Intracapsular bolls in Asiatic cotton (G-986). R. E. Beckett.
- A method for estimating the volatile sulphur content and pungency of onions (N. Y. (Cornell)-31). Hans Platenius.

— Vol. 51, no. 10. November 15, 1935. Illus.

Contents:

- Histology of the caryopsis of yellow dent corn, with reference to resistance and susceptibility to kernel rots (G-973). Helen Johann.
- Influence of weather factors on moisture content of light fuels in forests of the northern Rocky Mountains (F-73). George M. Jemison.
- The effect of direction of illumination upon the visibility of a smoke column (F-75). Charles C. Buck and Wallace L. Fons.
- Toxicity of aluminum salts to tobacco plants (Mass.-44). Walter S. Eisenmenger.
- Distribution and effect of petroleum oils and kerosenes in potato, cucumber, turnip, barley, and onion (Mont.-24). Paul A. Young.
- The development of the cotton embryo (Tex.-12). R. G. Reeves and J. O. Beasley.
- The chromosome number in *Gladiolus* (Md.-6). Ronald Bamford.

Monthly weather review. Vol. 63, no. 11, November 1935. Illus. Price, 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign.² Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretative summary and (3) climatological tables.

Public roads. Vol. 16, no. 11, January 1936. Price, 10¢ a copy; \$1 a year, \$1.50 a year, foreign.²

Soil conservation. Vol. 1, no. 7, February 1936. Price, 10¢ a copy; \$1.00 per year, domestic.²

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

Weekly weather and crop bulletin. Nos. 5-8, Feb. 4-25, 1936. Price, 50¢ a year, domestic; \$1 a year, foreign.²

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.